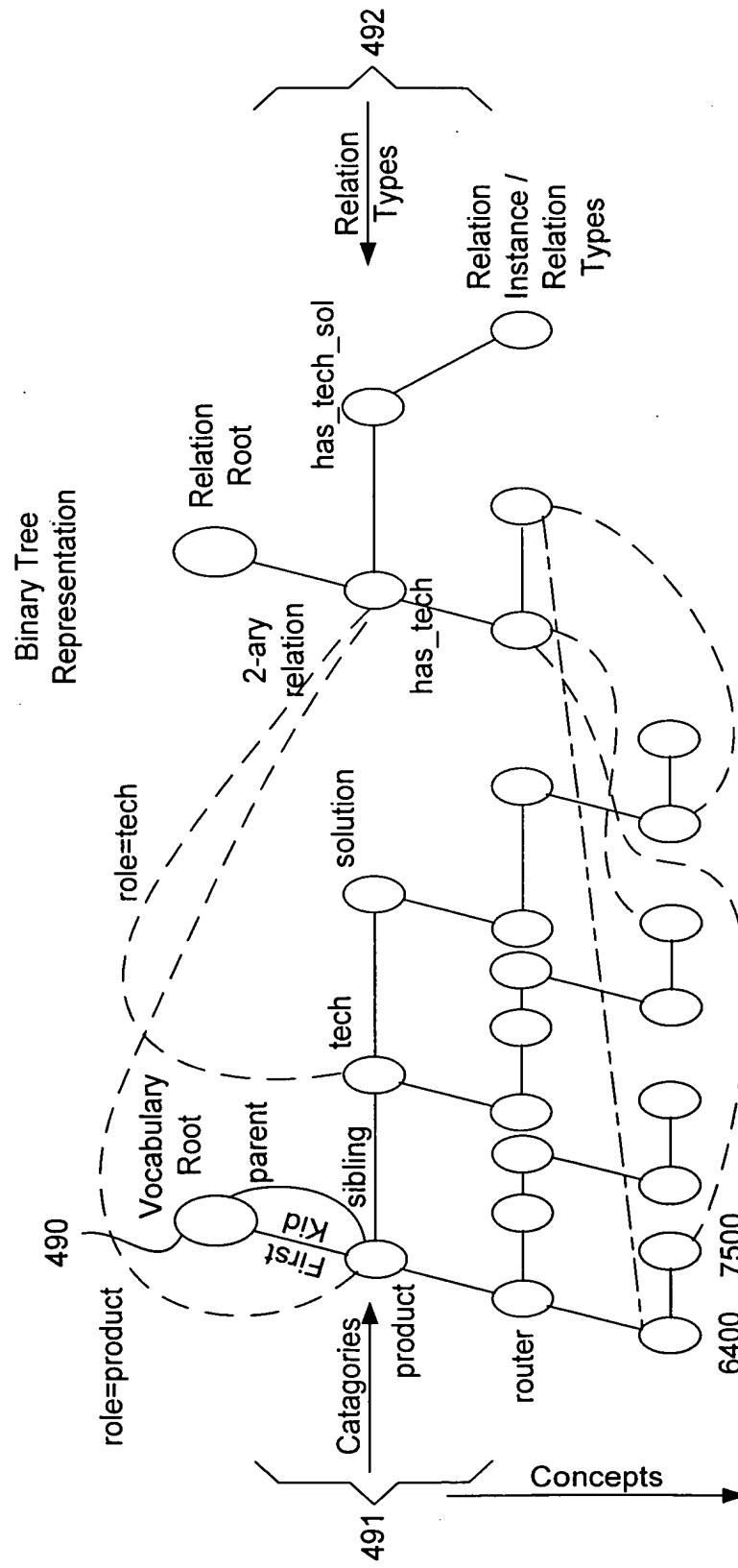




Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY
Serial No.: 09/925,204 Filed: August 8, 2001
Inventor(s): Michael J. Kirkwood, et al. Docket No. 50325-0531
REPLACEMENT SHEET

FIG. 4C





Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY

Serial No.: 09/925,204

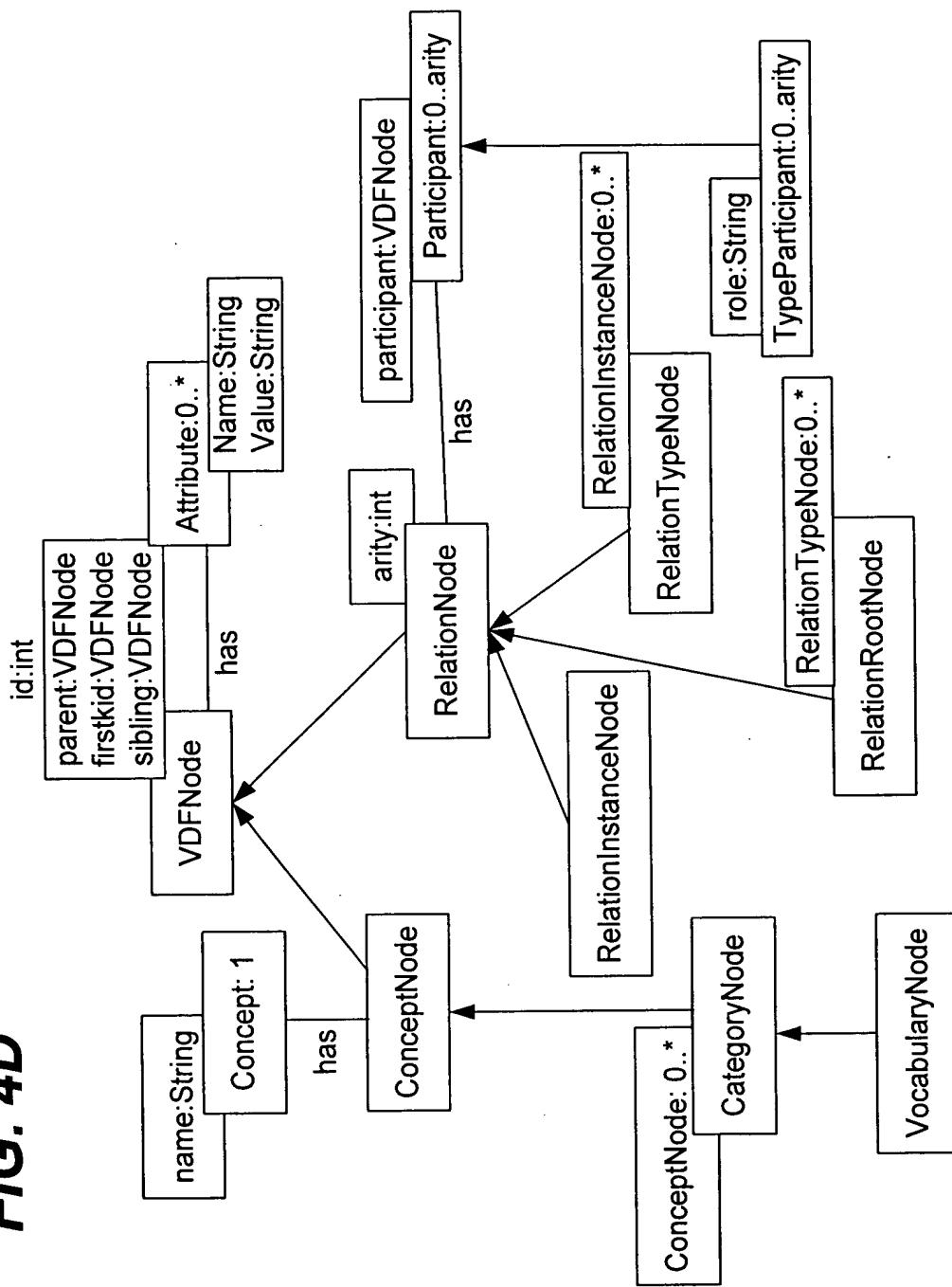
Filed: August 8, 2001

Inventor(s): Michael J. Kirkwood, et al.

Docket No. 50325-0531

REPLACEMENT SHEET

FIG. 4D

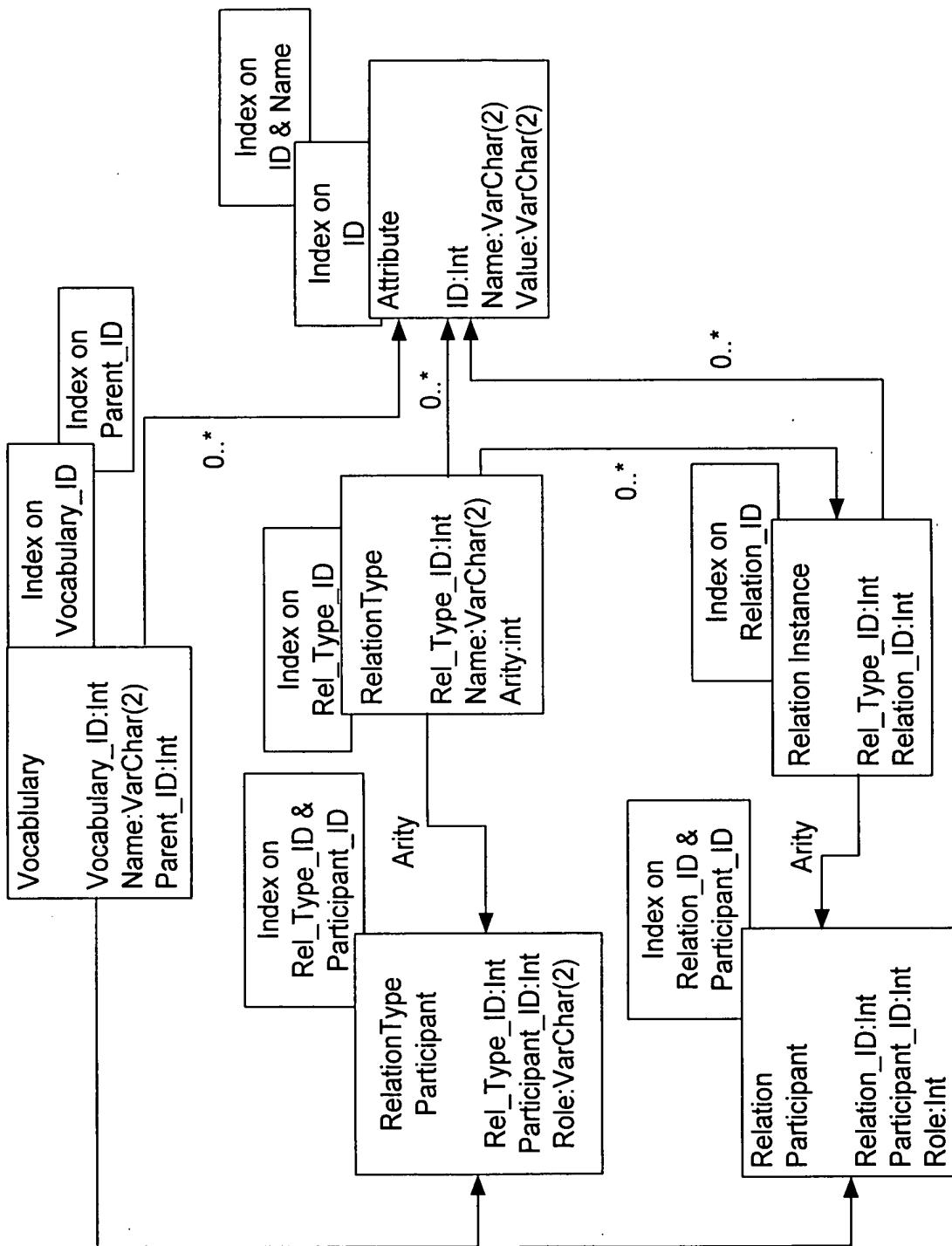


Class Hierarchy of MDF Data Structure



Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY
Serial No.: 09/925,204 Filed: August 8, 2001
Inventor(s): Michael J. Kirkwood, et al. Docket No. 50325-0531
REPLACEMENT SHEET

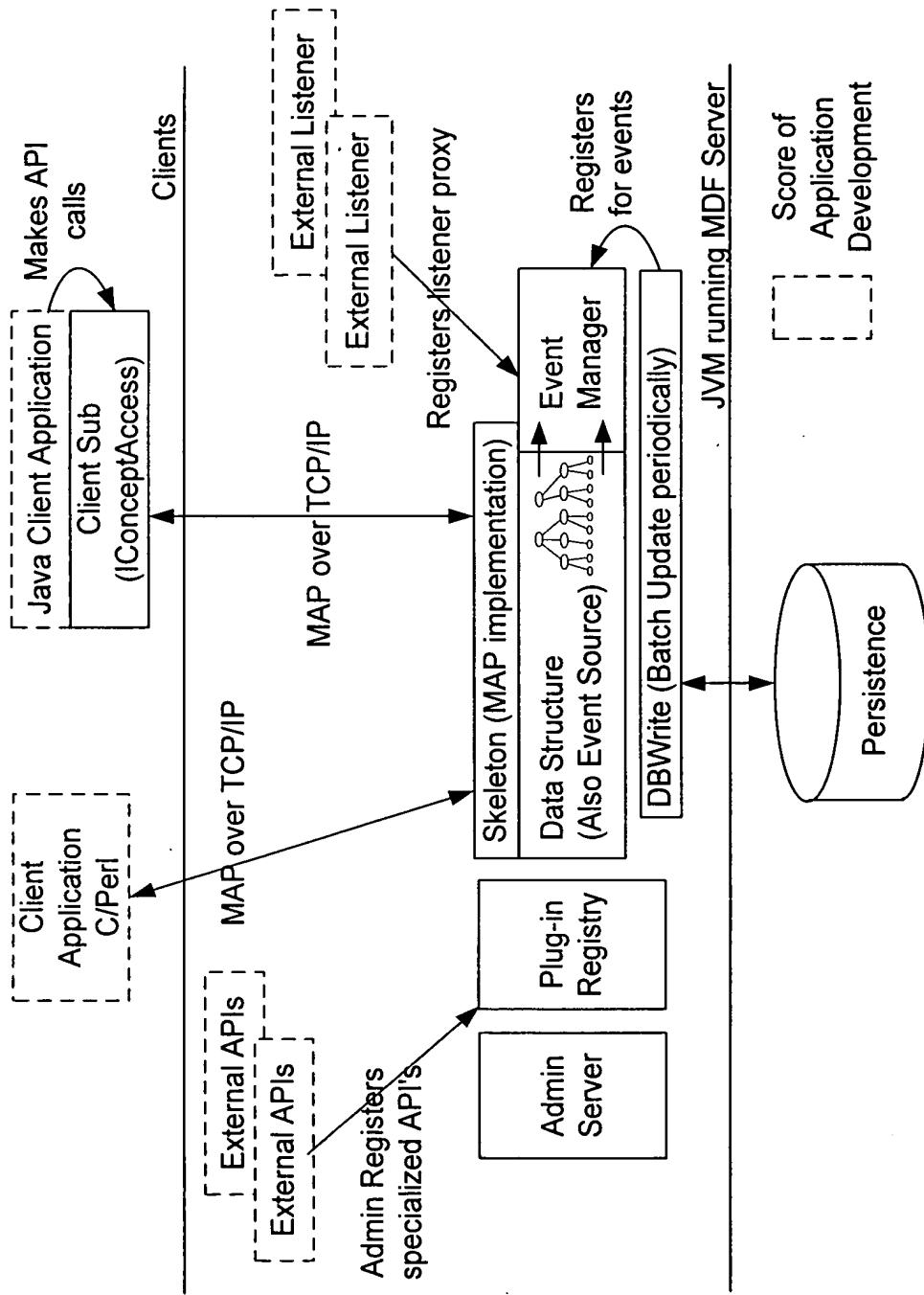
FIG. 4E



MDF Server Persistent Tables



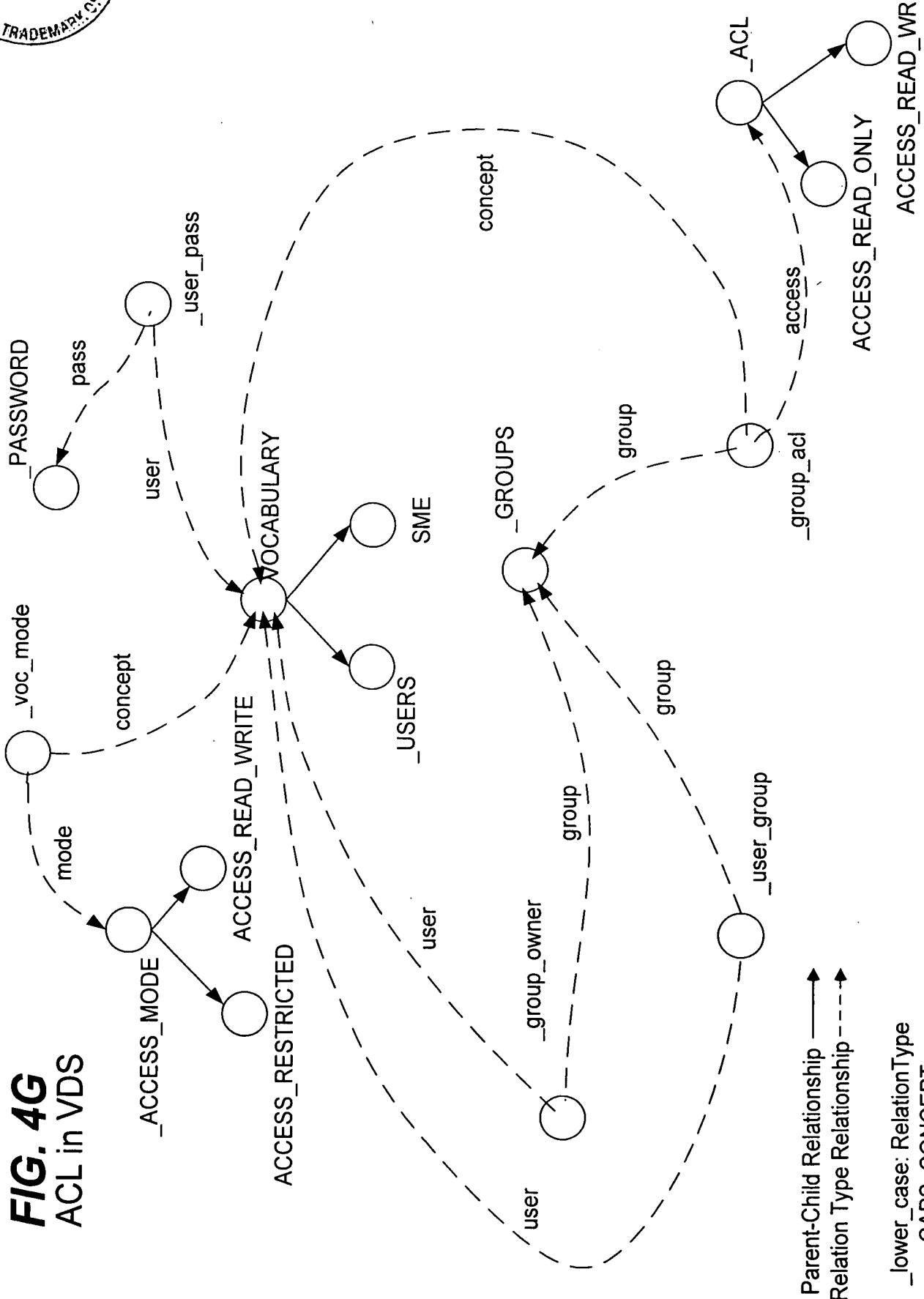
FIG. 4F





Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY
Serial No.: 09/925,204 Filed: August 8, 2001
Inventor(s): Michael J. Kirkwood, et al. Docket No. 50325-0531
REPLACEMENT SHEET

FIG. 4G
ACL in VDS



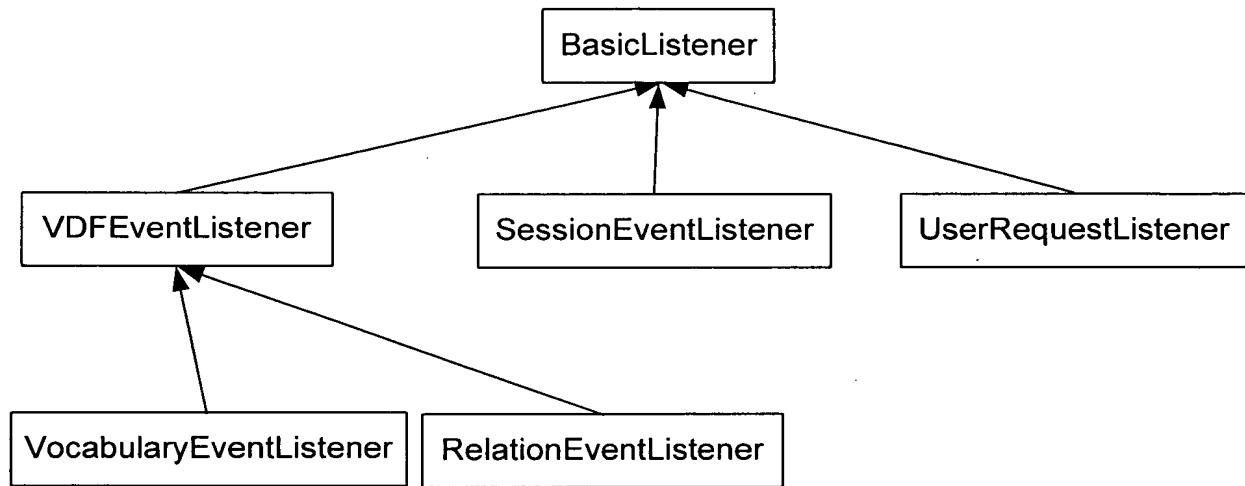
Note: Vocabulary as Relationship participant includes RelationTypes and instances

lower_case: RelationType
CAPS: CONCEPT



Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY
Serial No.: 09/925,204 Filed: August 8, 2001
Inventor(s): Michael J. Kirkwood, et al. Docket No. 50325-0531
REPLACEMENT SHEET

FIG. 4H



Class Hierarchy of VDS Event Mechanism